Program Release Information
CSES ID-No. DLBT1000129EN02
bizhub C360/C280/C220
MFP firmware Ver.88
Subject: bizhub C360/C280/C220 Mass-Production Program 2nd version (Ver.88)

2010/01/18
Revision:2010/01/29

1. Release version and download file name
The newly released program version and download file name is as follows.

[Release version]
<C360/C280/C220 MFP Controller firmware>

Model	Program Name	Current Ver.	New Ver.	Program File Name	Checksum	Note
bizhub C360/C280/C220	MFP firmware	59	88	A0ED0Y0-F000-G00-88.exe	daa9	

<C360/C280/C220 Movie Data>

Model	Program Name	Current Ver.	New Ver.	Program File Name	Note
bizhub C360/C280/C220	Movie Data	00	01	A0ED0Y0-A000-G00-01_2nd_Movie.exe	

* OCR Dictionary Data for Searchable PDF is the same Data as 1st Version. (A0ED0Y0-B000-G00-0000_OCR.exe)

<C360/C280/C220 Loadable Device Driver>

Model	IC Card Reader	IC Card	Current Ver.	New Ver.	Program File Name	Check sum
bizhub C360/ C280/ C220	Gemalto GemProx-PU	TypeA (only UID) Mifare (UID,PID)	04	06	A0ED0Y0-A100-G00-06.exe	C388
	KABA B-Net91 07	TypeA (only UID) Legic Advant 2048 (UID,PID) Legic Advant 1024 (only PID) Legic Prime 1024 (only PID)	05	07	A0ED0Y0-A200-G00-07.exe	A33B
	HID RW-100	HID iCLASS (26, 37bit)	03	05	A0ED0Y0-A300-G00-05.exe	C99F
	Omniky CardMan 5125	HID Prox (26, 34, 35, 40bit)	04	06	A0ED0Y0-A001-G00-06.exe	38B7

* Please refer to "4.5. How to Install Loadable Device Driver" for installation procedure of Loadable Device Driver.

<C360/C280/C220 Drivers/Applications>

Model	Program Name	Current Ver.	New Ver.	Download File Name	Note
bizhub C360/ C280/ C220	PCL Printer Driver for WindowsNT4/ 2000/XP/Server2003/Vista/Server2008/7	2.1.4.0	3.0.16.0	C360_Series_ PS_PCL_FAX _XPS_v3.0.x. zip	With WHQL (Win_x86,Win_x64)
	PostScript3 Printer Driver for Windows 2000/XP/Server2003/Vista/Server2008/7	2.1.4.0	3.0.16.0		With WHQL (Win_x86,Win_x64)
	FAX Driver for WindowsNT4	2.1.2.0	3.0.17.0		
	FAX Driver for 2000/XP/ Server2003/Vista/Server2008/7	2.1.1.0			With WHQL (Win_x86,Win_x64)
	XPS Printer Driver for Windows Vista/ Server2008/7	2.1.4.0	3.0.16.0		With WHQL (Win_x86,Win_x64)
	MacOS X (Version 10.2.x) PS-PPD	2.1.1	3.0.8	C360_Series_ MacOS_v3.x. sit	
	MacOS X (Version 10.3.x,10.4.x) PS-PPD	2.1.1	3.0.8		Supported MacOS10.4 (PPC/Intel)
	MacOS X (Version 10.5.x) PS-PPD	2.1.1	3.1.0		Supported MacOS10.5 (PPC/Intel)
	Real-Time Mode TWAIN Driver	3.1.2.20	3.1.2.24	TWAIN_v3.1. 2.24-26.zip	
	HDD TWAIN Driver	3.1.2.22	3.1.2.26		
	Driver Packaging Utility	2.0.00000	V2.1-2.1.02200	DPU_ V2.1-2.1.02200.zip	

* PageMaker PPD, MacOS9 PPD, and Linux PPD are not released because 2nd version PPDs are the same as 1st version PPDs.

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[Download File Name]
A0ED0Y0-F000-G00-88.exe
A0ED0Y0-A000-G00-01_2nd_Movie.exe
A0ED0Y0-A100-G00-06.exe
A0ED0Y0-A200-G00-07.exe
A0ED0Y0-A300-G00-05.exe
A0ED0Y0-A001-G00-06.exe
C360_Series_PS_PCL_FAX_XPS_v3.0.x.zip
C360_Series_MacOS_v3.x.sit
TWAIN_v3.1.2.24-26.zip
DPU_V2.1-2.1.02200.zip
C360_Series_PRI_DLBT1000129EN02.doc

2. What changed

2.1. Release of bizhub C360/C280/C220 (Mass-Production Program Ver.88)

The individual files and the checksum are as follows.

Program Name	File Name	Checksum	Note
BOOT	A0ED0Y0-1E00-G00-00	AFB8	
MFP controller subset	A0ED0Y0-1F00-G00-10	9A45	
MFP controller	A0ED0Y0-0100-G00-88	5045	
MFP controller system	A0ED0Y0-1000-G00-88		
MFP controller print controller	A0ED0Y0-3000-G00-31		
MFP controller print controller font	A0ED0Y0-3F00-G00-22		
MFP controller print controller Demo Page	A0ED0Y0-3E00-G00-01		
MFP controller MIO	A0ED0Y0-5000-G00-09		
MFP controller PSWC	A0ED0Y0-5100-G00-10		
MFP controller MIB IF	A0ED0Y0-5200-G00-10		
MFP controller IPP IF	A0ED0Y0-5300-G00-10		
MFP controller Outside controller IF	A0ED0Y0-6100-G00-80		for Fiery
MFP controller TCP/Socket	A0ED0Y0-6300-G00-20		
MFP controller OPEN API	A0ED0Y0-7000-G00-12		
MFP controller operation panel	A0ED0Y0-8000-G00-88		
MFP controller PIC	A0ED0Y0-8200-G00-40		
MFP controller CSRC control Body	A0ED0Y0-8300-G00-01		
Scanner	A0ED0Y0-0023-G00-81	EA7E	
Printer	A0ED0Y0-0050-G10-01	6D65	
FAX board controller	15LA-0040-G02-12-000	B695	
Operation panel message data	A0ED0Y0-8100-G00-87-00	D3F3	
ADF	A0HU0Y0-0024-G00-00	8836	
Finisher (FS-527)	A0HR0Y0-0071-G01-01	363F	
Finisher (FS-529)	A0U70Y0-0071-G00-05	32AC	
JS-505	A0830Y0-0070-G01-00	FF84	
SD	A10D0Y0-0071-G00-03	BBD2	
COPY PROTECT	---	4152	
Movie Data	A0ED0Y0-A000-G00-01		
Dictionary Data	A0ED0Y0-B000-G00-0000		

2.2 Addition of function / Change of specifications

1) The multiple pages job can be performed Half-Fold on every one page.
2) You can scanning by OpenAPI External Scan Type-S even if you do not enter destination.
3) You can choose ON and OFF on every user or every account when using user authentication/account control setting.
4) Expand Advanced Preview function.(Page delete/Image Rotation/Display every page)
5) Support Banner printing for Mac OS.
6) You can login even if use User Name when using LDAP authentication.
7) Fax Job can be saved in the User Box other than the Memory RX User Box when using TSI User Box Function.
8) You can use direct input for FAX even if you select "Restrict" on Manual Destination Input Setting.
9) TypeA and Felica can be used at the same time when using AU-201.
10) If using Book Copy Separation, Centering and No-Image Area Erase are automatically turned on.
11) The authentication operation step has been decreased.
12) Density setting display on Copy Basic screen.
13) List output can be saved in USB Memory.
14) P/J counter List and Stabilizer counter List can be printed out.
15) The size that exceed 312x458mm is possible the reduced printing.
16) The document in Box can be printed from PSWC using by Web Browser without the preview.
17) The following PDF can be printed out directly.
    Only Document Permission password is set and the print is allowed.
18) The following conflict pattern is allowed when using by Mixed Original.
    - 1-Sided > 2-Sided
19) The status bar is non-displayed when using by Browser Connection Application.
20) The following information is non-displayed in Register Program.
    - Paper Type
    - Paper Size
21) The Option Settings is displayed in the Favorite settings on Printer Driver.
22) The disconnection of the Applications is possible from the panel.
23) The DNS settings information can be acquired by OpenAPI.
24) The following control file is added from MFP to the control file sent to the application when sending scan job.
    - Number of scanning sides
    - Number of transmission files
25) The following processing were supported when using OpenAPI connection applications.
    - Conflict processing
    - Error check.
26) The default screen can be changed when using ID & Print function.
27) When MFP information is acquired with Printer Driver, the password can be set.
28) The language selection screen is changed with the installer of the printer driver.
29) A special character of the password is supported.(Umlaut etc.)
30) When using User Authentication function, the MIB information can be acquired.
31) The Font Setting is added in FAX Driver.
32) My Tab Settings is added in Setting Tab on Printer Driver.
33) The Error icon is displayed without displaying the error screen in the panel when the fax becomes Redial.
34) Generation function of time is added when using by CSRC One-way communication.
35) The Receive Signal Detection Time of FAX can be changed in Administrator Mode.
36) Scan Image and the document that was saved in the Box was able to be transmitted to the server with Browser.
37) CMS support

2.3 Fixed issues.

The following issues are solved in this firmware.

1) If you place a card over AU-201 and login to MFP connected to My Address Book, the Caution Sound is generated. [RIBJ__08000921]
2) If a job is sent to Fiery when setting PSES+AU-201+ Fiery, C-FA14 occurs.
3) If you perform ID & Print when you cannot connect to bizmicPSLite Server, "Receive + Printing" keeps displaying and time-out does not occur in 2 minutes. (Japanese market only)
4) MFP recognizes the USB memory not supported. And after you remove the USB memory from the MFP, cannot print a job from PC.
5) In PageScope Web Connection, input more than 12 bytes characters and linefeed to Text of E-mail. After that, if you press "Communication Settings> E-mail Settings> Body> Direct Input> left arrow key" and move the cursor to the left on the MFP panel, the panel will freeze.
6) When using user authentication, if the user who is restricted to send a document in color logs in to MFP and the configure the default copy setting as "Current Setting", the default color mode on Scan and Fax screen also will be configured to Auto Color.
7) When performing LDAP Search, if you use "%" to authentication password of LDAP Server or User Name, you may not connect to the Server.
8) If you connect to PageScope Web Connection with Internet Explorer8 and perform the following operations, the web browser will freeze.
   1. Login to PageScope Web Connection Administrator Mode.
   2. Move to "Store Address" screen.
   3. "Search by number." and click "GO".
9) If you display Meter Count on the MFP panel in German, there is wrong wording.
   Wrong: Farbe gesamt (Kopie + Druck)
   OK: Gesamt (Kopie + Druck)
10) When performing combination printing (3x3) of specific PDF file from PCL driver, the data light keeps flashing and the job is never printed.
11) When printing Adobe Illustrator sample art from PS driver, PS error occurs on the first page.
12) When receiving the print data while MFP is scanning the documents, the message "Please Power Off message" is indicated on the control panel.
13) Problem to display in Polish, Croatian, Slovak and Romanian. The communication issue between MFP and an application.

14) In German PSWC, "Punch-Hole Scraps Box Full" is mistranslated. [
Wrong: Heftstaubbehälter
OK: Lochabfallbehälter
15) When using Real-Time Twain driver from the ADF and scanning B&W, the scanned output has dots covering the background.
16) The Consumables indication for Magenta and Yellow on CWS5 (Command Work Station5) are different from the indicators displayed in PSWC.
17) a) If you log off with pressing ID button when using User Authentication and ShareScan, MFP will hang up.
b) If you display the text area that has few lines, the bottom scrollbar button overlays the top one.

18) If network failure occurs while MFP is sending file with Scan to SMB, the Scan job is not completed, and remains sending status.
19) Under User Authentication mode, if "user A" uses with own sender address for Scan to E-mail operation and if "user A" saves the panel setting with "as current set". After that all the other users' sender address will be instead with that user A's E-mail address.
20) Cannot print PS file from OpenPrint. (Japanese Market only)
21) When printing the job from specific application, "insufficient memory" is displayed on the panel and the job is never printed. [
22) When receiving large amounts of SLP packets, network failure occurs or MFP hangs up.
23) When enabling the "SMB Direct Hosting" setting (default setting), the following symptoms may be occurred on the specific network environment.
- Cannot print via network (LPR/RAW port). [At this time, MFP replies to ping requests.]
- Cannot connect to the PageScope Web Connection. [At this time, MFP replies to ping requests.]
24) When acquiring the MIB information, incorrect MIB information is sent.
25) If you print a job that has mixed sizes on the MFP with FN-529 is installed, paper jam may occur in output section of the Finisher.
26) When setting Account Track, if you turn OFF/ON the main switch after setting "Color> Restrict" with using "All Accounts" button, you cannot login to MFP.
27) If you register the address of Scan to SMB and turn OFF/ON the main switch, part of the registered file pass is deleted when connecting MFP with Fiery.
28) Correct the wrong English wordings in Service Mode.
29) When turning ON the main switch of the MFP, the Arp of any IP address other than IP address that is set is sent.
The following issues may occur due to this symptom.
- If the network monitoring system is used, the IP address is recognized as a banned one, and MFP cannot connect to the network.
- The IP address conflicts with other IP address of MFP in network.
30) Correct the wrong wordings in other language than Japanese.
- Stamp type/ Preset Stamps in Copy Mode
31) The data that is saved in a system box (ID&Print etc.) is not displayed on the panel. Therefore, cannot perform check and print the document.
Important> To solve this issue, after upgrading the firmware, please perform initialization of AES (encryption key of system box) according to the following TAD.
- TABT0900210EN00
32) On the MFP with EV-1 (Japanese Market Only) is installed, if print a job after switching operation mode of EV-1 system, the sent job is deleted. Then print the job again, "Printing" remains on the control panel.
33) When installing the machine according to the Installation Manual, machine's Date or Time may not be set correctly.
34) C-D3## display language is modified to English from Japanese.
35) It is not possible to enter more than 1digit of the phone number on Right Fax screen.

36) There are spelling errors in the following German settings.
-Utility/Counter> Administrator Settings> User Authentication/Account Track> User/Account Common Setting
"Logout Confirmation Screen Display Setting"
Wrong: Anzeigeeinstellung Anmelde- Bestatigungsbildschirm
OK: Anzeigeeinstellung Abmelde-Bestatigungsbildschirm

-when performing Auto Detect "The original size was detected."
Wrong: Die Originalformat wurde erfolgreich erkannt
OK: Das Originalformat wurde erfolgreich erkannt

-Utility/Counter> User Settings> Custom Display Settings> Copier Settings> Quick Settings> Duplex/Combine "1-Sided>1-Sided"
Wrong: 1-seitig > 2-seitig
OK: 1-seitig > 1-seitig

-Utility/Counter> Administrator Settings> Fax Settings> Function Settings "Forward TX Setting"
Wrong: Weiterleitungs- eisntellung
OK: Weiterleitungs- einstellung

-Scan/Fax> Original Settings> Special Original "Z-Folded Original"
Wrong: Original Wickelfalz
OK: Original Z-Falz

-Box> User Box> System User Box> Mobile/PDA> User/File "Print List"
Wrong: Verbrauchs- materialliste prufen
OK: Drucken

-Utility/Counter> Meter Count> Check Details "Print List"
Wrong: Verbrauchs- materialliste prufen
OK: Drucken

-Utility/Counter> Meter Count> Check Details> Print List "No. of Prints"
Wrong: Anz.Drucke
OK: Anz.Blatter

37) Scan to SMB fails if you use 2bytes characters for the Host name.
38) If login to MFP when "printing the job using Select All" or "receiving the job" in the ID&Print User Box, "Connecting to Server" or "Printing" keeps displaying on the panel.
39) While printing from OpenOffice the second an all Following pages are outputted 180 degrees rotated.

40) "C-3722" may occur when entering to low power mode.
41) If hiragana or katakana is used for the sender name of the fax when the fax is forwarded with E-mail, the subject is garbled.
42) J72-90 occurs if only SD job (center fold, tri-fold etc.) is repeated about 250 times after turning on MFP.
43) Depending on the condition of SD exit sensor, SD transport motor may possibly keep working and J72-90 is displayed when J72-26 occurs.
44) When using DevReqExtLogin while the MFP is in power save mode, C-FA14 may occur.
45) If you copy the documents by using 8in1, the following message is shown on the panel.
"Select the job to delete and touch [Delete]. Press [Start] to restart the stopped job.
46) If restore the backuped contents to the MFP using HDD Backup Utility, the thumbnail is not displayed on PageScope Web Connection. (This symptom occurs when confirming the Details from page 2 or later of the document.
If download the document, error (FA03/FA14/FA16) occurs.

47) If restore the backuped data to the MFP using HDD Backup Utility, the following applications may not connect to the MFP using SSL.
 - PageScope Data Administrator
 - Log Management Utility
 - Font Management Utility
 - Copy Protection Utility
48) On the MFP with management device2 is installed, if set Forward TX Setting> Forward (Dest.)> E-mail, the job is counted as "Public User/ Fax TX".
49) MFP hung (no response on the control panel) or reboot when printing the document after saving the document with the following setting.
 Manual Zoom ratio setting:
 - X enlargement (eg.105 %)
 - Y reduction (eg. 50 %)
50) After selecting the G3-FAX Program Destination with configuring Phone line to use, if you change the phone line to use to the other one from the basic screen, TTI used for the program job will be the one setup in the program Destination.
51) If the user logout after changing the authentication setting, reboot or panel hung may occur after configuring the User Authentication.
 Procedure to re-produce. - From PageScope Web Connection
 Setup Auth/ Account Track -> On (MFP)
 Public User -> ON (Without Login)
 Then change the setting from PageScope Web Connection
 - Public User -> Restrict
 - Account Track -> ON
 Create User and Account from PageScope Web Connection, then Log in and logout.
52) If print the specific image using USB print, fine stripes are printed on all over the printed job.
53) If perform the power save and the release quickly, Favorites of web browser or Web browser settings may disappear.
54) Select "Chinese" and input 10 digits. Then, if touch Conversion then Undo key, panel lock occurs.
55) If a job is sent to MFP during receiving the Fax Job when setting PSES+AU-201, the following symptoms may occur. [PEBCN_09000084]
 -The data indicator keeps blinking and the job is not printed.
 -The control panel stays displaying "Connecting to Server" even if users hold the card over AU-201.
 -The panel is turned off.
56) When the Explorer dialog is closed even if you enter the Time in "Time until automatic disconnect" setting, the communication between MFP and PSBO is not disconnect according to the setting.
57) Panel lock may occur when you log in and logs out while Upper Limit Error is occurring on ID&Print User Box.
58) If you turn OFF/ON the sub power switch with using Scan to FTP when ADF jam is displayed, trouble code "C-E002" occurs. [PEBCZ_09000555]
59) When printing Adobe Illustrator CS4 sample art from PS driver, PS error occurs on the first page.
60) When you print the PostScript file from Oracle, PS error occurs.
61) The German wording in Page Scope Web Connection for full "punch scrap box warning" is wrong.
62) Cannot perform authentication correctly under the following conditions.
 - “Unconnected with Authentication Unit” error is displayed on User Registration screen in Administrator Mode when the Authentication Unit (AU-102/AU-201) is not installed.
 - Then close the error screen and back to the authentication screen.
 - And install the Authentication Unit to MFP.
 ("Unable to connect to Authentication Unit." message is displayed on the authentication screen.)
 Recovery Method: Turn OFF/ON the main switch.
63) If Flash contents are played when opening the Web Browser on the MFP panel, stack overflow occurs infrequently and you may not perform browser operation.
 Recovery Method: Turn OFF/ON the main switch.
64) If you printing a Web Browser screen on the MFP panel when sending or receiving G3FAX job, panel lock may occur.
 Recovery Method: Turn OFF/ON the main switch.

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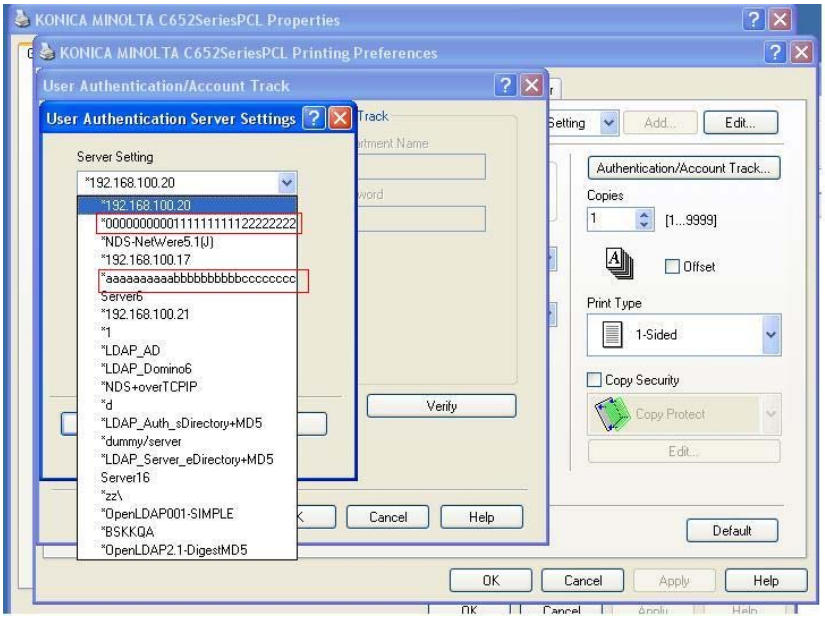
65) When printing plural jobs have different bind directions using the following functions, binding position of preview is wrong.
- BOX combine
- Program Jobs of copy

66) When inputting characters to "Administrator Mode> Copier Settings> Card Shot Settings> Store Original Size> Original Na me" using Enlarge Mode, you can enter characters over specified number of characters. However, only specified number of characters (8 two-byte characters/ 16 one-byte characters) is registered as the Original Name.
Specification: 8 two-byte characters/ 16 one-byte characters
Also, if you enter over 24 one-byte characters, entered content is not registered.

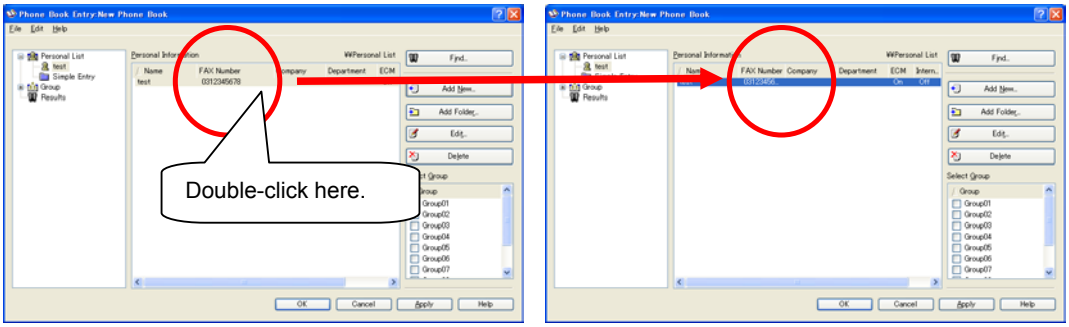
67) In Scan/Fax mode, if you press “Preview” button when settings are as follows, a data is sent without displaying Advanced Preview.
- Set "TX Result Report Check" to "ON" and set "Original Direction Confirmation Screen" to "ON".

68) In driver, external server name can display only 28characters as shown below.



69) When setting the DNS Domain Name in Administrator Mode> Network Settings, if you enter more than 64 characters between dots and push "OK" button, the entered Domain Name is not reflected.

70) On "Phone Book Entry: New Phone Book" screen in PC-FAX driver, if you adjust the width of Personal Information tab automatically (Double-click the space between tabs.), the last two characters of registered name is not displayed.



71) When entering the following items on the MFP connected to the external keyboard, soft keyboard screen is displayed.
- IP address (only when IP address has already entered)
- Enter User Name and password using Enlarge Mode when performing User Authentication/ Account Track.

72) Save a job with Nin1 setting in the Box. And if you set the following Stamp Setting and perform combine printing of the job, denominator of page number may be misprinted.
    - Stamp/Combination> Page Number> Page Number Type> [1/5, 2/5.....]
73) Select some jobs that have different watermarks from the Box. And if you print the jobs with combine setting, watermark of initially-selected job is printed on all the jobs.
74) Even if the Communication Password of Confidential RX in the Box is against the password rules, you can set the password when setting Administrator Settings> Security Settings> Security Details> Password Rules to "Enable".
75) On the MFP with the following Security Kit (SC-507) is installed, when setting "Stamp/Composition> Copy Security> Copy Guard" or ">Password Copy" in Printer Driver, "Detail Settings" > "Angle" is not grayed out.
76) On the MFP with the following Authentication Unit is installed, if you change the language using "Language Selection" button on the basic screen and push "OK" button, log-out may be performed.
    (This issue occurs only when you change the language for the first time after turning on the main switch.)
    - Management Device2
77) Under the following conditions, cannot delete the User in Administrator Mode in PageScope Web Connection.
    - User Authentication is "ON"
    - Set "Maximum Number of User Boxes (Public)".
    - Sum of the number of User's (that will be deleted) Personal User Boxes and the number of Public User Boxes that have been already registered are over the maximum number of Public Boxes.

    [Case]
    Maximum Number of User Boxes: 50
    Number of UserA's Boxes: 10
    Number of Public Boxes: 45
    ("UserA's Box 10 + Public Box 45" is over 50. Therefore, you cannot delete the UserA.)
    Countermeasure: Delete the User on the control panel.
78) If you turn OFF/ON the sub power switch during downloading PDF using the Web Browser on the MFP panel, then you cannot download the PDF using the Web Browser.
    Recovery Method: Turn OFF/ON the main switch.
79) After turning ON the main switch, login to the Administrator Mode before the Web Browser key becomes possible to use. Then if you start the Web Browser, the browser screen becomes white.
    Recovery Method: Turn OFF/ON the main switch.
80) On the MFP with handset is installed, if you push "Start" button after selecting a document from the Box and leaving the receiver off the hook, panel lock may occur.
    Recovery Method: Turn OFF/ON the main switch.
    [Occurrence Procedure]
    1. Open Box screen.
    2. Select a document.
    3. Push "Send" button.
    4. Leave the receiver off the hook.
    5. When pushing "Start" button, panel lock occurs. (Normally, it is impossible to push "Start" button if you leave the receiver off the hook.)

3. Functional restrictions

3.1 Functional restrictions

Please refer to the PRI for "bizhub C360/C280/C220 Mass-Production Program (Ver.54)"

* Additional memory installation is required when using the following Open API functions.
    1. Functions using web browser on MFP.
    2. Initial screen customization

If the firmware is GC6-57 or former, the following symptom occurs.
When upgrading to this firmware, please perform the following procedure.

If turn ON the main switch for the first time (only first time) after upgrading this firmware, "The Arp of any IP address other than IP address that is set is sent" occurs.

This symptom does not occur when turning ON the main switch for second times or more.

Please follow the following procedure after upgrading the firmware.
1. After upgrading the firmware, remove a network cable from the MFP before turning ON the main switch.
2. Turn ON the main switch and the sub power switch.
3. After "Ready to copy." is displayed, insert the network cable.
4. Turn ON the main switch.

4. How to install

4.1. How to install program

Use USB memory to install. For the details, see the Service Manual.

Conditions for USB memory which can be used for updating the firmware are as follows.

- Without security function
- Capacity 1GB to 2GB are recommend
- Compatible with to USB2.0
- Formatted in FAT32 format

4.2. How to upgrade/downgrade firmware

[Definition of terms]

1st Version: This is about "Function Version2" in firmware ver.5x.
1st MR Version: This is about "Function Version2" in firmware ver.8x. (There are not 2nd enhancement functions.)
2nd Version: This is about "Function Version3" in firmware ver.8x. (There are 2nd enhancement functions.)

* After the Firmware of 2nd Version is installed, the Function Version (2, 3) is switched with software SW.
About Software Switch Settings
Switch No.: 25
HEX Assignment: 20 -> Function Version3
HEX Assignment: 10 -> Function Version2

4.2.1. Upgrade

4.2.1-1. Firmware upgrading procedure from 1st Version to 2nd Version "Function Version3".

1. Install the Firmware of 2nd Version to MFP. For details, please refer to the Service Manual.
2. If 1st ver. movie data has been already installed, delete it in Service Mode.
3. Install 2nd ver. movie data to MFP.
4. Change Software Switch Setting to the following in Service Mode.
   Switch No.: 25
   HEX Assignment: 20
5. Turn OFF/ON the main switch.

4.2.1-2. Firmware upgrading procedure from 1st Version to 1st MR version "Function Version2".

1. Install the Firmware of 2nd Version to MFP. For details, please refer to the Service Manual.
2. If 1st ver. movie data has been already installed, delete it in Service Mode.
3. Install 2nd ver. movie data to MFP.

Important Notice:
(1) Even when using "Function Version2", please make sure to install 2nd ver. movie data to MFP.
(2) About Software Switch Settings
Switch No.: 25
HEX Assignment: 20 -> Function Version3
HEX Assignment: 10 -> Function Version2

Program Release Information
CSES ID-No. DLBT1000129EN02
bizhub C360/C280/C220
MFP firmware Ver.88
Subject: bizhub C360/C280/C220 Mass-Production Program 2nd version (Ver.88)

2010/01/18
Revision:2010/01/29

4.2.2. Downgrade

4.2.2-1. Firmware downgrading procedure from 2nd Version "Function Version3" to 1st MR version "Function Version2".

1. Change Software Switch Setting to the following in Service Mode.
   Switch No.: 25
   HEX Assignment: 10
2. Turn OFF/ON the main switch.

Attention: You can not use some 3rd enhancement functions.

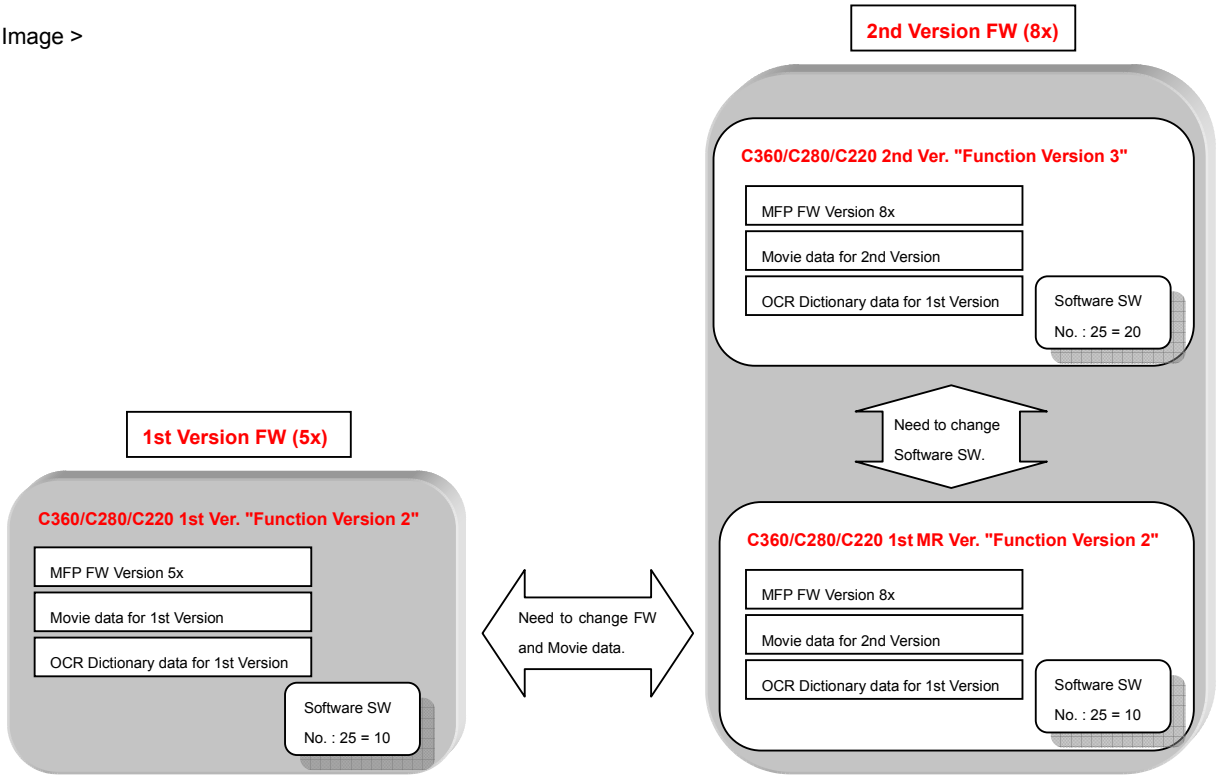
4.2.2-2. Firmware downgrading procedure from 1st MR Version "Function Version2" to 1st Version "Function Version2".

1. Install the Firmware of 1st Version (ver.5x) to the MFP.
2. If 2nd ver. movie data has been installed, delete it in Service Mode.
3. Install 1st ver. movie data to the MFP.

*1: If downgrading from 2nd Version "Function Version3" to 1st Version or 1st MR Version "Function Version2", you can not use the following functions.

- Administrator Settings>Printer Settings>Assign Account to Acquire Device Info
- Administrator Settings>Security Settings>Security Details>Manual Input>
"Allow All" / "Individual Allowance" (Fax/SIP Fax)/ "Restrict"
*This setting is reset to "Restrict" if you select "Individual Allowance".
- Administrator Settings>User Authentication/Account Track>User Authentication Settings>User Registration>Edit>
Function Permission>Manual Destination>Allow>"Allow All" / "Individual Allowance" (Fax/SIP Fax)
*This setting is reset to "Restrict" if you select "Individual Allowance".
- Administrator Settings>User Authentication/Account Track>User Authentication Settings>User Registration>Edit>Pause
- Administrator Settings>User Authentication/Account Track> Account Track Settings> Account Track Registration>Edit>Pause
- User Settings>Custom Display Settings>Copier Settings>Default Tab Density Settings
- User Settings>Copier Settings>Half-Fold Specification

< Image >


2nd Version FW (8x)
C360/C280/C220 2nd Ver. "Function Version 3"
MFP FW Version 8x
Movie data for 2nd Version
OCR Dictionary data for 1st Version
Software SW
No. : 25 = 20
Need to change
Software SW.
C360/C280/C220 1st MR Ver. "Function Version 2"
MFP FW Version 8x
Movie data for 2nd Version
OCR Dictionary data for 1st Version
Software SW
No. : 25 = 10
Need to change FW
and Movie data.
1st Version FW (5x)
C360/C280/C220 1st Ver. "Function Version 2"
MFP FW Version 5x
Movie data for 1st Version
OCR Dictionary data for 1st Version
Software SW
No. : 25 = 10

4.3. How to check version

[ROM version]:

You can check the ROM version in service mode, "Firmware Version"

For the details, see the Service Manual.

4.4. How to install movie data

Use USB memory to install.

For the details, see the Service Manual.

4.5. How to install Loadable Device Driver

1. Extract the attached exe file and save "A0EDFW.tar" file to root directory of USB memory.
2. Insert the USB memory to FW installation USB port of MFP.
3. Turn ON the main switch.
4. Version of Loadable Device Driver is displayed on the MFP panel. Press "START" button.
5. When the driver installation is complete, Checksum is displayed on the MFP panel.
6. Turn OFF/ON the main switch.
7. Select "Authentication Device2" and "Card2" in Service Mode> Billing Setting> Management Function Choice. Press "OK" button.
8. Turn ON/OFF the main switch.
9. Select appropriate card type in Administrator Settings > User Authentication/Account Track > Authentication Device Settings.

4.6. Function Version of Printer Driver

1. When using the driver as 2nd (Function Version3) Printer Driver
   Select "Version3" in Properties of Printer Driver > Configure > Function Version.
2. When using the driver as 1st (Function Version2) Printer Driver
   Select "Version2" in Properties of Printer Driver > Configure > Function Version.

* If "Auto" of Acquire Settings is on, Function Version of MFP is applied to the Printer Driver automatically.

5. Program that recommends applying at the same time

Combinations of this program and other latest program versions are as follows.

[bizhub C360/C280/C220 related]

Model	Program Name	Version	Note
bizhub C360/C280/C220	MFP Firmware	88	
bizhub C360 Series	PCL Printer Driver	3.0.16.0	
bizhub C360 Series	PostScript3 Printer Driver	3.0.16.0	
bizhub C360 Series	FAX Driver	3.0.17.0	
bizhub C360 Series	PageMaker PS-PPD	10000.0001	
bizhub C360 Series	XPS Printer Driver	3.0.16.0	
bizhub C360/C280/C220	Linux PS-PPD	10000.0001	
bizhub C360/C280/C220	MacOS 9 PS-PPD	10000.0001	
bizhub C360/C280/C220	MacOS X (Version10.2) PS-PPD	3.0.8	
bizhub C360/C280/C220	MacOS X (Version10.3/10.4) PS-PPD	3.0.8	Supported MacOS10.4(PPC/Intel)
bizhub C360/C280/C220	MacOS X (Version10.5) PS-PPD	3.1.0	Supported MacOS10.5(PPC/Intel)
bizhub C360/C280/C220	Real-Time Model TWAIN Driver	3.1.2.24	

bizhub C360/C280/C220	HDD TWAIN Driver	3.1.2.26	
bizhub C360/C280/C220	PageScope Direct Print	1.1.38.1	
bizhub C360/C280/C220	PageScope BOX Operator	3.2.03000	
bizhub C360/C280/C220	PageScope Data Administrator	4.1.8000	
bizhub C360/C280/C220	Copy Protection Utility	2.2.03000	
bizhub C360/C280/C220	PageScope Net Care	1.3.00000	
bizhub C360/C280/C220	Font Management Utility	2.6.1000	
bizhub C360/C280/C220	Print Status Notifier	3.3.15000	
bizhub C360/C280/C220	Driver Packaging Utility	2.1-2.1.02200	
bizhub C360/C280/C220	Log Management Utility	1.2.03000	
bizhub C360/C280/C220	Download Manager	1.3.3	
bizhub C360/C280/C220	HDD Backup Utility	1.3.03000	

6. OpenAPI supported function level
The following is OpenAPI supported function level on this firmware.

OpenAPI:

OpenAPI Function Level	3.5B

Detail:

Auth		1.0/1.1/2.0/2.1/2.5/3.5
Scan to Application		2.0/2.1/2.2/3.0/3.1/3.5
PullPrint		1.0/1.1/2.0/2.1/2.5/3.5
Other A		1.0/3.5
Job Management		1.0/3.5
Setup		1.0/1.1/1.2/1.3/2.0/2.1/2.5/3.5
Web Browser	Auth	1.0/1.5/3.5
	Scan to Application	1.0/1.1/3.5
	PullPrint	1.0/1.1/1.5/3.5
	ScrSvr	1.0/3.5
	Launcher	1.0/3.5

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